

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/052765

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08J3/20 C08K9/04 C08L63/00 C08L75/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08J C08K C08L C08G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 038 913 A (AMCOL INTERNATIONAL CORPORATION) 27 September 2000 (2000-09-27) page 2, line 22 - line 24; claims; example 2	1-13
X	DATABASE WPI Section Ch, Week 200440 Derwent Publications Ltd., London, GB; Class A60, AN 2004-420880 XP002333280 & CN 1 434 070 A (UNIV SICHUAN) 6 August 2003 (2003-08-06) abstract	1-12



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

29 June 2005

Date of mailing of the international search report

14/07/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Deraedt, G

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International Application No  
PCT/EP2004/052765

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE WPI Section Ch, Week 200314 Derwent Publications Ltd., London, GB; Class A60, AN 2003-141540 XP002333715 &amp; CN 1 375 511 A (WEI J) 23 October 2002 (2002-10-23) abstract</p>	1-12
X	<p>US 5 760 106 A (PINNAVAIA ET AL) 2 June 1998 (1998-06-02) column 7, line 20 - line 35; claims</p>	1-10,12, 13
X	<p>DATABASE WPI Section Ch, Week 200355 Derwent Publications Ltd., London, GB; Class A81, AN 2003-578434 XP002333281 &amp; CN 1 417 282 A (NO 6 ENG CO HUNAN PROV) 14 May 2003 (2003-05-14) abstract</p>	1-10,12, 13
X	<p>WO 03/016394 A (HENKEL LOCTITE CORPORATION; AHSAN, TANWEER) 27 February 2003 (2003-02-27) page 4; claims</p>	1-10,12, 13
X	<p>WO 03/044089 A (HENKEL LOCTITE CORPORATION; KONARSKI, MARK, M) 30 May 2003 (2003-05-30) claims; tables 3,4</p>	1-10,12, 13
X	<p>ALEXANDRE M ET AL: "Polymer-layered silicate nanocomposites: preparation, properties and uses of a new class of materials" MATERIALS SCIENCE AND ENGINEERING R: REPORTS, ELSEVIER SEQUOIA S.A., LAUSANNE, CH, vol. 28, no. 1-2, June 2000 (2000-06), pages 1-63, XP004205143 ISSN: 0927-796X page 59</p>	1-10,12, 13
X	<p>US 5 554 670 A (GIANNELIS ET AL) 10 September 1996 (1996-09-10) claims</p>	1-10,12, 13

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	V. GINZBURG, E.A.: "Calculating Phase Diagrams of Polymer-Platelet Mixtures Using Density Functional Theory: Implications for Polymer/Clay Composites" MACROMOLECULES, vol. 32, 1999, pages 5681-5688, XP002333279 page 5681 - page 5688 -----	1-10,12, 13
X	WO 98/51747 A (INSTITUT FUER NEUE MATERIALIEN GEM. GMBH; ARPAC, ERTUGRUL; KRUG, HERBE) 19 November 1998 (1998-11-19) page 15, last paragraph - page 19, paragraph 4; claims -----	1,12,13

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